

#4 Oconto Nicolet ST Oconto River Bridge Redecking

State of Wisconsin
 Department of Natural Resources
 dnr.wi.gov

Motorized Recreation Grant Application

For: (choose all that apply)

Form 8700-159 (R 02/2024)

Page 1 of 5

- ATV/UTV Trail Aid
- Snowmobile Trail Aid

Due Date: April 15

Notice: Completion of this form is required under Wisconsin Statutes 23.09(26) and 23.33. Failure to complete this form will result in denial of financial assistance. Personally identifiable information found on this form is not intended to be used for any other purpose. The Department of Natural Resources (DNR) may provide this information to requesters as required by Wisconsin's Public Records law {ss. 19.31 – 19.39, Wis. Stats.}.

Instructions: Applications may combine more than one source of funds. They may be submitted for consideration of traditional ATV, UTV, Snowmobile and Motorized Stewardship funding. Submit one copy of all forms and attachments. See Page 2 for necessary attachments. Send applications to your Community Services Specialist.

DNR Use Only	
Category	Number

Section 1: Applicant Information

Applicant / Organization Name Oconto County				Check Recipient: Individual other than authorized individual to act on behalf of the applicant. <input type="checkbox"/> Select if the same as applicant.			
Individual Authorized to Act on Behalf of Applicant per Resolution Monty Brink				Check Recipient Name (Name to Appear on Check) Oconto County Treasurer			
Title Forest, Parks and Recreation Administrator				Title Treasurer			
Address 301 Washington St				Address 301 Washington St			
City Oconto	State WI	ZIP Code 54153		City Oconto	State WI	ZIP Code 54143	
Telephone Number (920) 834-6995		Email Address monty.brink@co.oconto.wi.us					

Section 2: Project Information Required for all Projects

Project Title Nicolet State Trail Oconto River Bridge						Current Funded Miles 111.43	New Miles (if applicable)
County Oconto	Township 28 N	Range 18	Section 26	¼ ¼ NW	¼ SE	GPS Coordinates: Lat. 44.8714 Long. -88.2754	

Project Description Summary

Oconto County wishes to re-deck the Nicolet State Trail Bridge that is bridge number 23 on the DNR bridge inventory list for Oconto County. Boards on the wear surface are pulling up and unable to be reattached due to loss of integrity of the lower timber deck requiring a complete tear off of decking down to the girders and new decking.

Total Project Cost Estimate= \$800,000.00
 RTP application- 80%=\$~~640,000~~ 250,000 cap
 SNOWMOBILE 275,000
 ATV 275,000

I certify that all maintenance land use agreements are on file.

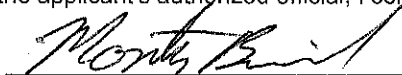
Estimated Cost

Maintenance	Acquisition	Insurance	Development	Bridge Rehab.	Trail Rehab.	Total Estimated Cost
Leave Blank – DNR Use Only						

Applicant Certification

Printed Name of Authorized Official Monty Brink	Official's Title Forest, Parks and Recreation Administrator
--	--

As the applicant's authorized official, I certify that, to the best of my knowledge, the information in this application is true and correct.


 Signature of Authorized Official

4/11/2024
 Date Prepared

Appendix A – Required for Bridge Rehab/Replace, New, or Reroute with New Bridge

Bridge Rehab/Replace New Bridge Reroute with new bridge

County Oconto	Township 28 N	Range 18	Section 26	¼ ¼ NW	¼ SE	GPS Coordinates: Lat. 44.8714 Long. -88.2754
Water Body Name Oconto River			Bridge Name NST Oconto River Bridge		County Inventory Number 23	
Funded Trail Name or Number (SNARS if applicable) Nicolet State Trail- Gillett Trail 2			Has this bridge site ever received development or rehabilitation funds in the past? <input checked="" type="radio"/> Yes <input type="radio"/> No Year: _____ \$ _____			
Bridge is located on: <input type="radio"/> Private property <input checked="" type="radio"/> Public property			Old Bridge/Culvert Size 528'x10' New Bridge/Culvert Size 528'x12'			
Landowner Where Bridge is Located WI DNR			Telephone Number 920-834-6995		Length of Trail Use Agreement (5 year minimum) Easement	
Current maximum load Unknown lbs.		Age of Bridge 107		Bridge Material Steel Girder, wooden decking		
Proposed maximum load 25,000 lbs.						
Sponsoring Club Name Gillett SnowATV Riders			Club Contact Perry Gilbertson		Telephone Number 920-615-5880	
Do you have your trail bridges posted as to maximum load? <input type="radio"/> Yes <input checked="" type="radio"/> No			What is the maximum load of the other bridges on the system if groomed with this bridge? Unknown			
What is the weight of your puller & drag/grading equipment? 13,800 lbs						
What other recreational trail uses are planned for this bridge? ATV, Snowmobile, Non-motorized- hiking, biking, horseback riding						
If there are other Recreational uses planned, how much of the bridge cost will be paid for by non-snowmobile or non-ATV users? RTP-80%= \$640,000.00						

- Yes No Have you contacted your local [DNR Water Management Specialist \(WMS\)](#) regarding a permit?
- Yes No Is a permit needed? (Please provide any written correspondence from WMS.)
- Yes No Have you contacted your County Zoning Dept. regarding a floodplain determination?
- Yes No Will an H & H (hydrologic and hydraulic) study be required?

Bridge Project Detailed Description

Removal of all decking materials down to steel girders and replace and widen to 12' width and install new railings.
Repair crack in brearing located on pier 3. Repair cracks in concrete on pier tops to prevent further break down from vegative growth.



111 Willow Street
Colfax, WI 54730
(715) 962-2800
FAX: (715) 962-2801

PROPOSAL

March 27, 2024

To: Oconto County Snowmobile Trail Administrator

Re: Railroad Retrofit Snowmobile Bridge Budget

532' x 12' (clear width) steel bridge railroad retrofit

- Design Standards: **Wisconsin DNR**
- Clear width: **Inside face structural elements at deck level**
- End Vertical: **Square**
- Bearings: **Equal Elevations**
- Steel Grade: **A588/A847 (Self-Weathering)**
- Deck: **#1 Southern Yellow Pine (Treated)**
- Safety Rails: **Horizontal (4" opening)**
- Installation: **Included with removal of existing deck and railroad ties**
- Loads: **85 psf live load - 35 psf wind load – 25,000 lbs. vehicle load**
- FOB: **Oconto County, WI**
- Engineered Drawings State Seal: **Wisconsin**

Price ----- \$800,000

- | | |
|----------------------------------|---------------------|
| • Structure (Steel Frame) | Included |
| • Structure Engineering | Included |
| • Site Prep | Included |
| • Demolition | Included |
| • Disposal | Included |
| • Labor | Included |
| • Rip Rap | Not Included |
| • Substructure Evaluation | Not Included |

*****This price is for budgetary purposes only*****

Please call with any questions.

Thank you,

Kory S. Weathers

Bridge 23

Guidelines for Applicant

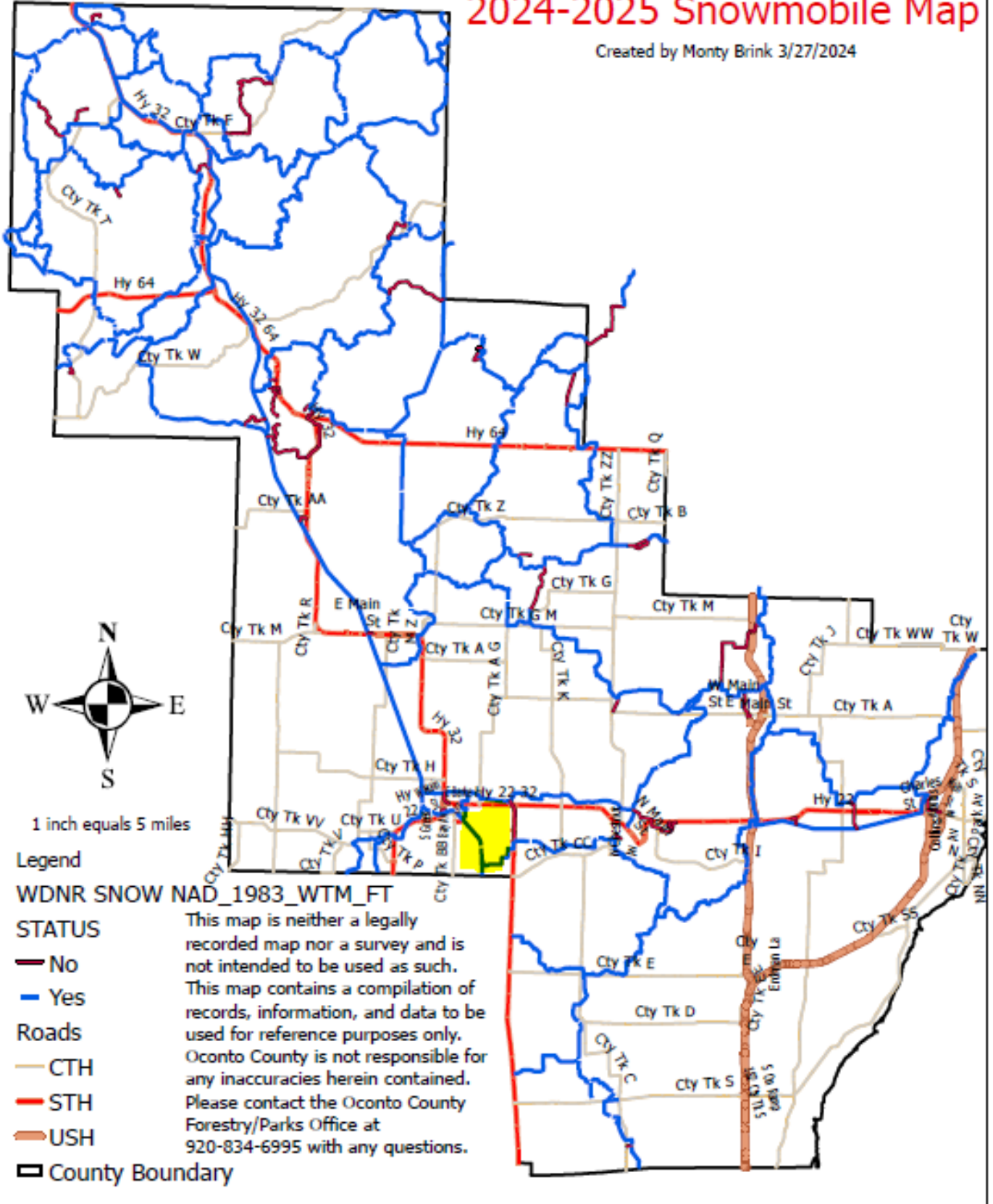
Complete this form for each bridge structure you are submitting a grant application for. Provide any additional documents not requested on application checklist to substantiate your points, including actual deeded easements.

Category		Possible Points	Actual Points
1	Condition of the Structure (max of 10 points)		
	Has a certified bridge inspection report that supports the project & demonstrates need (see example, must provide copy of report by August 1 for 2024 only)	10	10
2	Permits (maximum points 4)		
	Consultation with DNR Water Mgmt Specialist has occurred & permit is likely, if needed	1	
	Permit in hand / Bridge already permitted - <i>No Permit Needed</i>	3	3
3	Funding (maximum points 2) Are other funds already committed?		
	50% or greater from other funding source(s)?	2	2
	11% - 49% from other funding source(s)?	1	
4	Length of Written Easements or Land Use Agreement (max points 5)(ch. 23.09(26)(am)1 WI Stats)		
	On public land (County, State, Federal)	5	5
	10 or more year deeded easement on private land or other public land, for <u>all</u> portions of that trail to the nearest road on each side of the bridge	5	
	3-9 year deeded easement on private land or other public land, for <u>all</u> portions of that trail to the nearest road on each side of the bridge	4	
	10 or more year deeded easement on private land or other public land, for <u>just</u> the bridge site	3	
	3-9 deeded easement on private land or other public land, for <u>just</u> the bridge site	2	
	10 or more year land use agreement (LUA, not deeded) on private land or other public land	1	
	3-9 year land use agreement (LUA, not deeded) on private land or other public land	0	
5	Miles Impacted – How many miles will need to rerouted if the structure is not replaced? Measured from nearest intersection on both sides of the bridge. (max 4 points)		
	Less than 20 miles	1	1
	20 miles or more	3	
	No other snowmobile trails connect. Explain:	4	
DEDUCTIONS			
6	County Active Project Deduction (maximum deduction 1 point) A snowmobile active project is one that has exceeded it's initial grant period.		
	Two or more active projects - deduct 1 point	-1	0
GRAND TOTAL			21

Comments/Notes:

Oconto County 2024-2025 Snowmobile Map

Created by Monty Brink 3/27/2024



1 inch equals 5 miles

Legend

WDNR SNOW NAD_1983_WTM_FT

STATUS

- No
- Yes

Roads

- CTH
- STH
- USH
- County Boundary

This map is neither a legally recorded map nor a survey and is not intended to be used as such. This map contains a compilation of records, information, and data to be used for reference purposes only. Oconto County is not responsible for any inaccuracies herein contained. Please contact the Oconto County Forestry/Parks Office at 920-834-6995 with any questions.



Bridge 23 Aerial Map



- Legend**
- Municipality
 - State Boundaries
 - County Boundaries
 - Major Roads**
 - Interstate Highway
 - State Highway
 - US Highway
 - County and Local Roads**
 - County HWY
 - Local Road
 - Railroads
 - Tribal Lands
 - Rivers and Streams
 - Intermittent Streams
 - Lakes and Open water



NAD_1983_HARN_Wisconsin_TM

1: 15,840

DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/legal/>

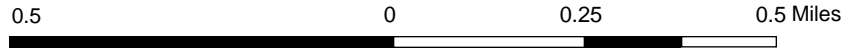
Notes



Bridge 23 Topo Map



- Legend**
- Municipality
 - State Boundaries
 - County Boundaries
 - Major Roads**
 - Interstate Highway
 - State Highway
 - US Highway
 - County and Local Roads**
 - County HWY
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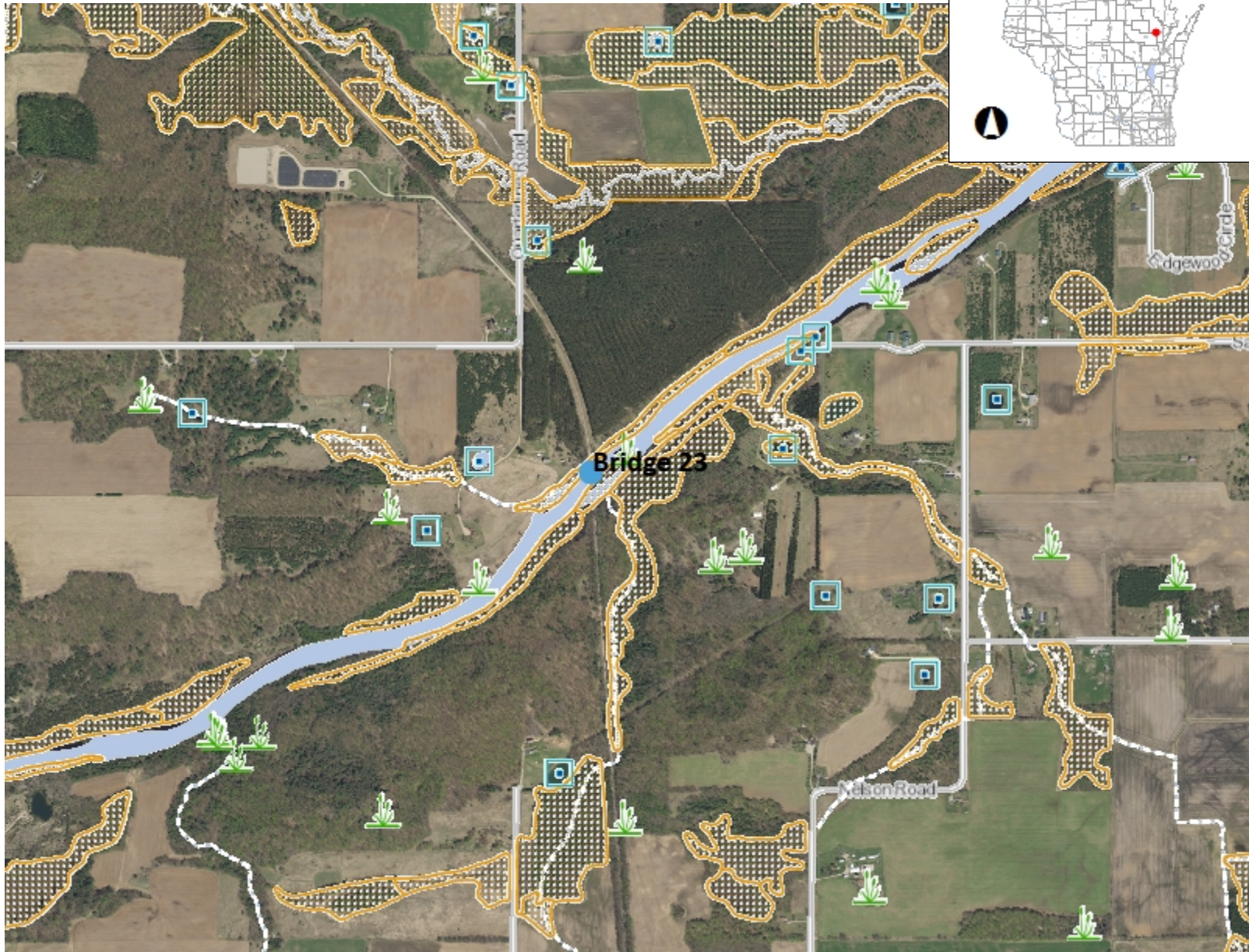
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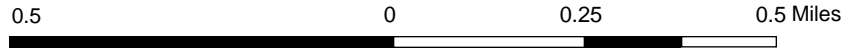
Notes



Bridge 23 Wetlands Map



- ### Legend
- Lake Class Areas
 - Riverine/ditch Class Areas
 - Wetland Class Areas
 - Wetland Class Points**
 - Dammed pond
 - Excavated pond
 - Filled/drained wetland
 - Wetland too small to delineate
 - Filled excavated pond
 - Filled Points
 - Wetland Class Areas
 - Filled Areas
 - Lake Class Areas
 - Riverine/ditch Class Areas
 - Wetland Class Areas
 - Wetland Class Points**
 - Dammed pond
 - Excavated pond
 - Filled/drained wetland
 - Wetland too small to delineate
 - Filled excavated pond
 - Filled Points
 - Wetland Class Areas
 - Filled Areas
 - Wetland Identifications and Confirmations
 - Municipality
 - State Boundaries
 - County Boundaries
 - Major Roads**
 - Interstate Highway
 - State Highway
 - US Highway
 - County and Local Roads**
 - County HWY



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1: 15,840

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Notes

Inspection Report for

Structure 23

Oconto Co. Rec. Trail over Oconto River

November 20, 2020



Inspection Type	Prior	Team Leader	Frequency	Performed
Routine	n/a		24 mo.	

Latitude	44.870595	Owner	
Longitude	-88.275328	Maintainer	

	Hours	Minutes	Team Members
Time Log			Kris Olson, Brian Epley
Weather			

	Name	Number	Signature	Signature Date
Inspector	Brian Epley	9712	<i>Brian Epley</i>	5/7/2021

BRIDGE INSPECTION REPORT

Wisconsin Dept. of Transportation
 DT2007 7/2003 (Replaces DT1544) s.84.17 Wis. Stats.

Inventory Data

Feature On: Oconto Co. Rec. Trail		Maintainer: Oconto Co. Forest & Parks Dept.		Structure Number: 23	
Feature Under: Oconto River		Sect/Twn/Rng: S26 T28N R18E			
Location: N. of Shawano Line Rd., W. of Nelson Rd		County: Oconto		Municipality: Town of Gillett	
Inv Rating: n/a	Rdwy Width: 10'	Deck Width: 10'		Existing Posting: n/a	
Oper Rating: n/a	Total Length: 532	Deck Area: 5320 sf		ADT On: Yr:	ADT Under: Yr:

Inspection Type (* = Additional Applicable Form(s) Required)

	Routine Visual	Fracture Critical*	In-Depth*	UW-Dive*	UW-Surv.*	UW-Probe/ Visual*	Movable*
Last Insp.							
Frequency							
Recom. Freq.	24 mo.						
	Initial*	Damage	Interim	Load Posted	SI & A Field Review*		
Last Insp.							
Frequency	N/A						
Recom. Freq.	N/A				Item No. Needing Change		

Load Rating Information

Overburden	File Meas. (in):	File Insp. Date:	Insp. Meas. (in):	Type:
Section Loss	File Meas. (%):	File Insp. Date:	Insp. Meas. (%):	Describe:
Should structure be re-rated for load carrying capacity? (Y/N)			Reason:	Date last rated:

Clearances (Cardinal = N or E)	File Meas. (ft.)	File Date	New Meas. (ft.)
Min. Vertical Clearance Under (Cardinal)			
Min. Vertical Clearance Under (Non-Cardinal)			
Min. Vertical Clearance On			

Structure Type

Construction/Rehabilitation History

Material	Configuration	# of Spans	Overall Length	Year	Work Performed	Plan	Shop
Steel	Deck girder	6	528'	1917	Built		

Inspection Information

Special Requirements	Y/N	Comments
Traffic Control		
Access Equipment		
Other		

Elements

Element Inspection (x) Check Elements Inspected						Quantity in Condition States			
Ck	Elem.	Def.	Description	Unit	Total	1	2	3	4
	31		Timber Deck	SF	5320	5320			
Comments: unable to inspect bottom of deck, floor beams are tight together									
	510		Wearing Surfaces (Other)	SF	5320	5142	127	51	
Comments:									
	8912		Deterioration/Distortion – Wearing Surface				127	51	
Comments:									
	107		Steel Open Girder/Beam	LF	1056		1056		
Comments: 2 girders, built up sections with plates, angles, cover plates, and stiffeners. All connections are riveted.									
	1000		Corrosion				1056		
Comments: Freckled rust throughout, but no section loss was noted.									
	8516		Painted Steel	SF	31680				31680
Comments:									
	3440		Effectiveness	SF					31680
Comments: The majority of the steel is unprotected, what appears to be left of the paint is largely ineffective									
	210		Reinforced Concrete Pier Wall	LF	25		25		
Comments: Pier 5 - Square									
	1130		Cracking (RC)/ Efflorescence				25		
Comments: Minor miscellaneous cracking throughout, some light to moderate efflorescence.									
	213		Masonry Pier Wall	LF	108		108		
Comments: Piers 1 & 4 - Square - 25', Piers 2 & 3 - Skewed - 29'									
	1610		Mortar Breakdown				108		
Comments: There are minor issues with joints breaking down and vegetation growing out of gaps, mainly in the caps. Vegetation must be removed. Consider filling gaps.									
	215		Reinforced Concrete Abutment	LF	38		38		
Comments: S. Abut - 20', N. Abut. 18'									
	1130		Cracking (RC)/ Efflorescence				38		
Comments: Minor miscellaneous cracking throughout, some light to moderate efflorescence. Concrete behind the girders at the north abutment is scaling.									
	311		Movable Bearing	EA	10		10		

Comments: 2 Bearings at each pier

	1000	Corrosion				10		
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Comments: The bearings have light freckled rust that does not appear to affect the operation of the bearings.

313		Fixed Bearing	EA	14		13	1	
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Comments: 2 Bearings at each abutment and each pier

	1000	Corrosion				13		
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Comments: The bearings have light freckled rust.

	1020	Connection					1	
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Comments: The east bearing at pier three has a crack throught the base plate and extending up through one of the vertical sections. With the lighter loads experienced by the bridge, this defect is not a significant concern.

332		Timber Bridge Railing	LF	1064	1051	5	8	
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Comments:

	1900	Distortion				5	8	
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Comments:

8400		Integral Wingwall	EA	4		4		
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Comments:

	8903	Wingwall Deterioration				4		
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Comments: Minor cracking and deterioration.

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Comments:

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Comments:

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Comments:

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Comments:

Assessments

Element Inspection (x) Check Elements Inspected						Quantity in Condition States			
Ck	Elem.	Def.	Description	Unit	Total	1	2	3	4
	9167		Steel Diaphragm	EA	55		55		

Comments:

9169		Lateral Bracing	EA	6		6		
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Comments: 1 for each span

Comments:

Comments:

Comments:

Comments:

Comments:

NBI Ratings

NBI	File	New	NBI	File	New
Deck		6	Approach		8
Superstructure		6	Channel		8
Substructure		6	Waterway		8

Maintenance Recommendations

Item	Cost	Comments

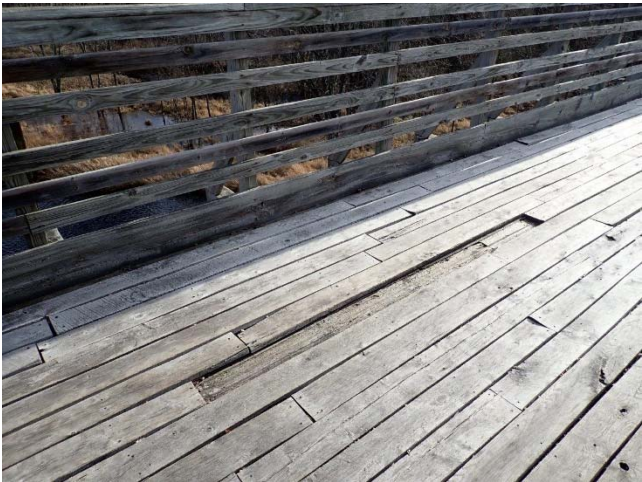
Maintenance Items

Item	Priority	Recommended by	Status	Status Change
Misc – Cut Brush	high	Epley, Brian (9712)	identified	
Plants and trees growing on piers need to be removed. Consider patching/filling joints to prevent future growth.				
Deck – Repair Railing	medium	Epley, Brian (9712)	identified	
replace broken and missing railing				
Deck – Patching	medium	Epley, Brian (9712)	identified	
replace broken and missing deck boards, replace previous repairs made with plywood				

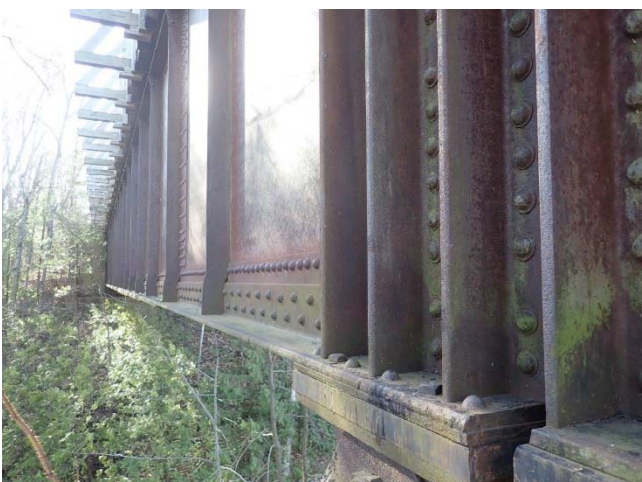


Railing shows signs of age but also has several damaged or decaying locations.





Wearing surface is aging but mostly intact. Several locations need proper replacements or repairs.





Main steel plate girders





Cracked bearing at pier 3, east side



Bearings





Underside of deck



Name plate



South Abutment



North Abutment





Piers
